



**RFIT  
2022**

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## 2022 IEEE International Symposium on Radio-Frequency Integration Technology

August 29 – 31, 2022 • Busan Korea • [www.RFIT2022.org](http://www.RFIT2022.org)

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### RFIT 2022 Workshops

*Monday 29 August 9:30 am to 4:30 pm*

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- Korea Travel Safety Guidelines
- Quarantine COVID19 Defence (Q-Code) System



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# 14th IEEE International Symposium on Radio-Frequency Integration Technology

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13:30 - 15:10 | TUE 30 AUG 2022 | FORUM 1 | T3A | ORAL | 0 / 5

mm-Wave/THz Building Blocks

Click the Session Title.

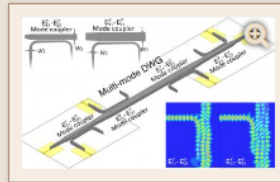


13:30 - 13:50 | T3A.1

### Multiplexing Schemes for Sub-THz/THz Interconnects

Xuan Ding<sup>1</sup>, Bo Yu<sup>1</sup>, Hai Yu<sup>1</sup>, Sajjad Saber<sup>1</sup>, Jane Gu<sup>1</sup>

<sup>1</sup>University of California Davis



13:50 - 14:10 | T3A.2

### Design of Frequency-Reconfigurable Filtering Phase Shifter Based on Controllable Mixed Electric-Magnetic Coupling

Tao Yang<sup>1</sup>

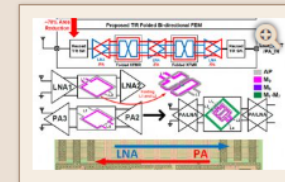
<sup>1</sup>University of Electronic Science and Technology of China



14:10 - 14:30 | T3A.3

### An Ultra-Compact Bidirectional Ka-Band Front-End Module With 4.0-dB NF and 13.5-dBm OP1dB

Jian Zhang<sup>1</sup>, Wei Zhu<sup>1</sup>, Ruitao Wang<sup>1</sup>, Chenguang Li<sup>1</sup>, Sen Yin<sup>1</sup>, Yan Wang<sup>1</sup>



14:30 - 14:50 | T3A.4

### 25-31-GHz Low Noise Amplifiers in 0.15- $\mu\text{m}$ GaN/SiC HEMT Process

Shih-Yun Chen<sup>1</sup>

<sup>1</sup>National Taiwan University



14:50 - 15:10 | T3A.5

### An E-Band Built-In Self-Tester Detectable Active Reflection Coefficient for Millimeter-Wave Beamforming Transmitters

Seung-Uk Choi<sup>1</sup>, Kyunghwan Kim<sup>2</sup>, Kangseop Lee<sup>3</sup>, Seunghoon Lee<sup>3</sup>, Ho-Jin Song<sup>3</sup>

<sup>1</sup>Pohang University of Science and Technology

<sup>2</sup>Pohang University of Science and Technology (POSTECH)

<sup>3</sup>POSTECH



## mm-Wave/THz Building Blocks

13:30 - 15:10 | Tue 30 Aug 2022 | Forum 1 | [View Program](#)

Category: Oral



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### Presentations 0 / 5

13:30 - 13:50 | T3A.1 |  

**Multiplexing Schemes for Sub-THz/THz Interconnects**

Xuan Ding • Bo Yu • Hai Yu • Sajjad Saber • Jane Gu



13:50 - 14:10 | T3A.2 | 

**Design of Frequency-Reconfigurable Filtering Phase Shifter Based on Controllable Mixed Electric-Magnetic Coupling**

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**An Ultra-Compact Bidirectional Ka-Band Front-End Module With 4.0-dB NF and 13.5-dBm OP1dB**

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엔타이틀 | ● 8:00 AM - 8:00 PM (+1) | Monday, Aug 29 2022 | (UTC+09:00) Seoul

### Join information

Meeting link:

<https://untile-iqb.my.webex.com/untile-iqb.my/j.php?>

MTID=mfd950ef127b92a849a8341c11dc087b1

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2557 799 5978

Password:

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# RFIT 2022 Forum 1

8:00 AM - 8:00 PM(+1)



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